What is claimed is:

- 1. A near shore port security barrier for protecting a vessel docked at a port facility from an incoming waterborne craft which is being used to inflict damage on said vessel, said near shore port security barrier comprising:
 - (a) a plurality of floating barrier modules connected to one another to form a floating security barrier which is positioned adjacent a hull for said vessel, said floating barrier being adapted to protect said vessel from said incoming waterborne craft.
 - (b) a mooring system for said near shore port security barrier, said mooring system having a plurality of mooring lines and a plurality of anchors which rest on the ocean floor, each of said mooring lines having one end connected to said near shore port security barrier and the end connected to one of said plurality of anchors to secure the near shore port security barrier in a fixed location relative to vessel;
 - (c) each of said plurality of floating barrier modules including:
 - (i) a first pontoon positioned adjacent the hull of said vessel;

44

45

(ii) a second pontoon positioned parallel to said first pontoon away from the hull of said vessel; (iii) first and second spaced apart cross members mounted on an upper of said first and second and attached thereto, said first pontoon, said second pontoon and said first and second cross members being configured to form a rectangular shape floating base for each of said floating barrier modules;

- (iv) a generally rectangular shaped wire mesh barrier fence extending vertically upward from said second pontoon, said wire mesh barrier fence having a fixed portion and a flexible portion, the flexible portion of said wire mesh fence overlapping the fixed portion of the wire mesh barrier fence for an adjacent floating barrier module of said plurality of floating barrier module; and
- (v) a wire mesh net support structure extending vertically upward from said second pontoon, said wire mesh net support structure being attached to said second pontoon, said wire mesh net support structure having said wire mesh barrier fence attached thereto; and
- (d) a fendering system affixed to said plurality of

floating barrier modules, said fendering system
engaging the hull of said vessel, said fendering system
being retractable from the hull of said vessel, said
fendering system allowing the floating barrier modules
of said near shore port security barrier to be moored
against the side of said vessel without damaging the
hull of said vessel.

- 2. The near shore port security barrier of claim 1 wherein wherein the wire mesh barrier fences for said plurality of floating barrier modules form a continuous barrier fence which runs the length of said near shore port security barrier.
- 3. The near shore port security barrier of claim 1 wherein said wire mesh barrier fence comprises 316 stainless steel wire mesh, said 316 stainless steel wire mesh being for fence material to eliminate corrosion maintenance.
 - 4. The near shore port security barrier of claim 1 wherein the flexible portion of said barrier fence for each of said floating barrier modules comprises a rectangular shaped upper and lower swing gates and a fence support post

attached to said second pontoon, said upper and lower swing gates being rotatably mounted on said fence support post to allow rotational movement of said upper and lower swing gates about said fence support post, said upper and lower swing gates including a torsion bar spring assembly which is attached to said fence support post, the torsion bar spring assembly for said upper and lower swing gates insuring that said upper and lower swing gates remains flush with the fixed portion of said adjacent floating barrier module.

5. The near shore port security barrier of claim 1 wherein said fendering system for each of said floating barrier modules comprises:

first and second fenders one of said pair of fenders being positioned at each end of said first pontoon; and

first and second U-shaped support brackets attached to said first pontoon, said first and second U-shaped support brackets having a shaft;

the shaft of said first U-shaped support having said first fender rotatably mounted thereon and the shaft of said second support bracket having said second fender rotatably mounted thereon;

said first and second fenders of each of said floating
barrier modules engaging the hull of said vessel,
said first and second fenders of each of said
floating barrier modules being retractable from
the hull of said vessel.

- 6. The near shore port security barrier of claim 1 wherein each of said floating barrier modules has an overall length of approximately fifty feet and an overall width of approximately twenty seven feet eleven inches.
 - 7. The near shore port security barrier of claim 1 wherein the height of said barrier fence is approximately fourteen feet six inches above a water line for said near shore port security barrier system.
 - 8. The near shore port security barrier of claim 1 wherein each cross member of said floating barrier module has a pair of towing eyes attached to a outside surface of said cross member, said pair of towing eyes for each cross member being adapted to receive a tow line to allow said floating barrier module to moved from a first location to a second location.

9. The near shore port security barrier of claim 1 wherein the wire mesh net support structure for the fixed portion of said wire mesh barrier fence comprises:

- a plurality of fence screen support post attached to
 said second pontoon wherein said plurality of
 fence screen support post extend vertically upward
 from said second pontoon, said plurality of fence
 screen support post being spaced apart
 approximately nine feet from one another, said
 plurality of fence screen support post having said
 wire mesh barrier fence attached thereto;
- a plurality of tension braces diagonally positioned between and connected to said fence screen support post which are adjacent to one another; and
- a plurality of tension braces vertically positioned

 between and connected to said fence screen support

 post which are adjacent to one another wherein

 said plurality of tension braces are located at

 the top of said wire mesh barrier fence of each of

 said floating barrier modules.
- 10. The near shore port security barrier of claim 1 wherein said first pontoon, said second pontoon and one of said

first and second cross members for each of said floating

barrier modules has a fiberglass walkway grating mounted on

a top side thereof to allow for a user to access said near

port security barrier.

- 11. A near shore port security barrier for protecting a vessel docked at a port facility from an incoming waterborne craft which is being used to inflict damage on said vessel, said near shore port security barrier comprising:
 - (a) a plurality of floating barrier modules connected to one another to form a floating security barrier which is positioned adjacent a hull for said vessel, said floating barrier being adapted to protect said vessel from said incoming waterborne craft.
 - (b) a mooring system for said near shore port security barrier, said mooring system having a plurality of mooring lines and a plurality of anchors which rest on the ocean floor, each of said mooring lines having one end connected to said near shore port security barrier and the end connected to one of said plurality of anchors to secure the near shore port security barrier in a fixed location relative to vessel;

19	(c) each of said plurality of floating barrier modules
20	including:
21	(i) a first pontoon positioned adjacent the hull of
22	said vessel;
23	(ii) a second pontoon positioned parallel to said first
24	pontoon away from the hull of said vessel;
25	(iii) first and second spaced apart cross members
26	mounted on an upper of said first and second and
27	attached thereto, said first pontoon, said second
28	pontoon and said first and second cross members being
29	configured to form a rectangular shape floating base
30	for each of said floating barrier modules;
31	(iv) a generally rectangular shaped wire mesh barrier
32	fence extending vertically upward from said second
33	pontoon, said wire mesh barrier fence having a fixed
34	portion and a flexible portion, the flexible portion of
35	said wire mesh barrier fence overlapping the fixed
36	portion of the wire mesh barrier fence for an adjacent
37	floating barrier module of said plurality of floating
38	barrier module; and
39	(v) a wire mesh net support structure extending
40	vertically upward from said second pontoon, said wire
41	mesh net support structure being attached to said

second pontoon, said wire mesh net support structure having said wire mesh barrier fence attached thereto; (d) a fendering system affixed to said plurality of floating barrier modules, said fendering system engaging the hull of said vessel, said fendering system being retractable from the hull of said vessel, said fendering system allowing the floating barrier modules of said near shore port security barrier to be moored against the side of said vessel without damaging the hull of said vessel

- (e) a first floating barrier module of said plurality of floating barrier modules having a front end wire mesh barrier fence and support structure which extends vertically upward from the first cross member for said first floating barrier module; and
- (f) a second floating barrier module of said plurality of floating barrier modules having a rear end wire mesh barrier fence and support structure which extends vertically upward from the second cross member for said second floating barrier module wherein said front end wire mesh barrier fence and support structure is positioned in proximity to the bow of said vessel and said rear end wire mesh barrier fence and support

structure is positioned in proximity to the stern of said vessel.

- 12. The near shore port security barrier of claim 11 wherein wherein the wire mesh barrier fences for said plurality of floating barrier modules form a continuous barrier fence which runs the length of said near shore port security barrier.
 - 13. The near shore port security barrier of claim 11 wherein said wire mesh barrier fence comprises 316 stainless steel wire mesh, said 316 stainless steel wire mesh being for fence material to eliminate corrosion maintenance.
 - 14. The near shore port security barrier of claim 11 wherein the flexible portion of said barrier fence for each of said floating barrier modules comprises a rectangular shaped upper and lower swing gates and a fence support post attached to said second pontoon, said upper and lower swing gates being rotatably mounted on said fence support post to allow rotational movement of said upper and lower swing gates about said fence support post, said upper and lower swing gates including a torsion bar spring assembly which is

assembly for said upper and lower swing gates insuring that said upper and lower swing gates remains flush with the fixed portion of said adjacent floating barrier module.

15. The near shore port security barrier of claim 11 wherein said fendering system for each of said floating barrier modules comprises:

first and second fenders one of said pair of fenders being positioned at each end of said first pontoon; and

first and second U-shaped support brackets attached to said first pontoon, said first and second U-shaped support brackets having a shaft;

the shaft of said first U-shaped support having said

first fender rotatably mounted thereon and the

shaft of said second support bracket having said

second fender rotatably mounted thereon;

said first and second fenders of each of said floating barrier modules engaging the hull of said vessel, said first and second fenders of each of said floating barrier modules being retractable from the hull of said vessel.

- 1 16. The near shore port security barrier of claim 11 wherein
 2 each of said floating barrier modules has an overall length
 3 of approximately fifty feet and an overall width of
 4 approximately twenty seven feet eleven inches.
- 1 17. The near shore port security barrier of claim 11 wherein 2 the height of said barrier fence is approximately fourteen 3 feet six inches above a water line for said near shore port 4 security barrier system.

1

2

3

4

5

6

1

2

3

4

- 18. The near shore port security barrier of claim 11 wherein each cross member of said floating barrier module has a pair of towing eyes attached to a outside surface of said cross member, said pair of towing eyes for each cross member being adapted to receive a tow line to allow said floating barrier module to moved from a first location to a second location.
- 19. The near shore port security barrier of claim 11 wherein the wire mesh net support structure for the fixed portion of said wire mesh barrier fence comprises:
 - a plurality of fence screen support post attached to said second pontoon wherein said plurality of

fence screen support post extend vertically upward from said second pontoon, said plurality of fence 7 screen support post being spaced apart approximately nine feet from one another, said 9 10 plurality of fence screen support post having said wire mesh barrier fence attached thereto; 11 12 a plurality of tension braces diagonally positioned 13 between and connected to said fence screen support 14 post which are adjacent to one another; and a plurality of tension braces vertically positioned 15 between and connected to said fence screen support 16 17 post which are adjacent to one another wherein 18 said plurality of tension braces are located at the top of said wire mesh barrier fence of each of 19

said floating barrier modules.

6

20

1

2

3

4

5

6

20. The near shore port security barrier of claim 1 wherein said first pontoon, said second pontoon and one of said first and second cross members for each of said floating barrier modules has a fiberglass walkway grating mounted on a top side thereof to allow for a user to access said near port security barrier.